

SUBMITTAL DATA: PLA-A30EA7 & PUZ-HA30NHA5

30,000 BTU/H CEILING CASSETTE HEAT PUMP SYSTEM

Job Name:	Engineer:
Purchaser:	Application:
Submitted To:	For: ☐ Reference ☐ Approval ☐ Construction
Submitted By:	Location:
System Designation:	Schedule No.:



Indoor Unit: PLA-A30EA7



Outdoor Unit: PUZ-HA30NHA5

UNIT OPTION:

Standard Model.....PUZ-HA30NHA5

ACCESSORIES:

Indoor Unit

Multifunction Casement / High Efficiency Filter (PAC-SJ41TM-E / PAC-SH59KF-E)
 Grille with 3D i-see Sensor™ (PLP-40EAEU) - (Required ordered separately)
 External Heater Adaptor (PAC-SE56RA-E)

Controls

Wireless Controller (MHK1)
 Advanced Wired Controller (PAR-33MAA)
 Simple Wired Controller (PAC-YT53CRAU)
 Thermostat Interface (PAC-US444CN)
 M-NET Adapter (PAC-SF83MA-E)

Outdoor Unit

Rear Snow Guard (SG-1-RE)
 Side Snow Guard (SG-1-SD)
 Front Wind Deflector (x2 required) (PE-FR-24-36)

Note: Mitsubishi Electric (MESCA) supports the use of only MESCA supplied and approved Snow Guard / Wind Deflectors / Windscreens and accessories for proper functioning of the unit(s). Use of non-MESCA supported Snow Guard / Wind Deflectors / Windscreens and accessories will affect warranty coverage.

SPECIFICATIONS:

Rated Conditions (Capacity / Input)*		
Cooling	Btu/h / W	30,000 / 2,400
Heating at 47°F	Btu/h / W	32,000 / 3,330
Heating at 17°F	Btu/h / W	32,000 / 5,720

* Rating Conditions per AHRI Standard:

Cooling | Indoor: 80°F (27°C) DB / 67°F (19°C) WB; Outdoor: 95°F (35°C) DB / 75°F (24°C) WB
 Heating at 47°F | Indoor: 70°F (21°C) DB / 60°F (16°C) WB; Outdoor: 47°F (8°C) DB / 43°F (6°C) WB
 Heating at 17°F | Indoor: 70°F (21°C) DB / 60°F (16°C) WB; Outdoor: 17°F (-8°C) DB / 15°F (-9°C) WB

Capacity Range		
Cooling	Btu/h	18,000 - 30,000
Heating at 47°F	Btu/h	18,000 - 34,000

Operating Range	
Cooling	0° F** to 115° F (-18° C to 46° C) DB
Heating	-13° F to 70° F (-25° C to 21° C) DB

** Windscreens required for cooling operation below 23°F (-5°C)

AHRI Efficiency Ratings	
EER	12.5
SEER	15.6
HSPF IV / V	9.6 / 7.3
COP at 47° F	2.81
COP at 17° F	1.69

Specifications are subject to change without notice.

Electrical Power Requirements	208 / 230V, 1-Phase, 60 Hz
-------------------------------	----------------------------

Minimum Circuit Ampacity (MCA) *	Breaker Size	MOCP (Outdoor)
Indoor 1 AMP	Outdoor 28 AMP	30 AMP
		40 AMP

***All electrical work shall comply with National (CEC) and local codes and regulations.**

Indoor Unit		
Fan Motor (ECM)	F.L.A.	0.74
Fan Motor Output	W	120
SHF / Moisture Removal		0.80 / 5.4 pt./h
Drain Lift Mechanism (Included)	H: In.	33-7/16
Field Drainpipe Size O.D	in. (mm)	1-1/4 (32)

Outdoor Unit		
Compressor		DC INVERTER-driven Twin Rotary
Fan Motor (ECM)	F.L.A.	0.4 + 0.4
Fan Motor Power	W	86 + 86

Airflow Rate (Low-M1-M2-Hi)			
Indoor (Cooling)	DRY	CFM	570-670-780-880
	WET		530-630-740-840
Outdoor	DRY		3,530

Sound Pressure Level			
Indoor (Low-M1-M2-Hi)		dB(A)	28-32-35-38
Outdoor	Cooling		52
	Heating		53

External Dimensions		
Indoor (H x W x D) Grille (H x W x D))	In.(mm)	11-3/4 [1-9/16] x 33-1/16 [37-13/32] x 33-1/16 [37-13/32] (298 [40] x 840 [950] x 840 [950])
Outdoor (H x W x D)		53-1/8 x 37-3/8 x 13 + 1-3/16 (1,350 x 950 x 330 + 30)

Net Weight		
Indoor (Unit / Grille)	Lbs.(kg)	56 / 11 (25 / 5)
Outdoor		265 (120)

External Finish	
Indoor	White Munsel No. 6.4Y 8.9/0.4
Outdoor	Munsell No. 3Y 7.8 / 1.1

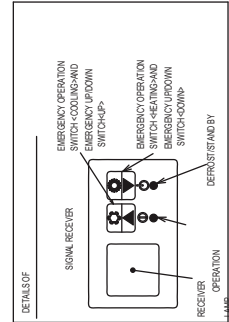
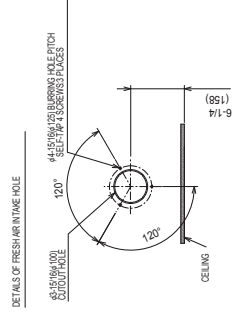
Refrigerant	R410A ; 12lbs., 2oz. (5.5kg)
-------------	------------------------------

Refrigerant Piping (Flared)		
Liquid (High Pressure)	In.(mm)	3/8 (9.52)
Gas (Low Pressure)		5/8 (15.88)
Maximum Total Refrigerant Pipe Length	Fl. (m)	245 (75)
Maximum Vertical Separation	Fl. (m)	100 (30)

Should this document be altered or changed without MESCA's permission, it becomes null and void. MESCA assumes no responsibility for any consequences in such cases.

Should this document be altered or changed without MESCA's permission, it becomes null and void. MESCA assumes no responsibility for any consequences in such cases.

BETWEEN THE TOP OF UNIT
AND CEILING SLAB

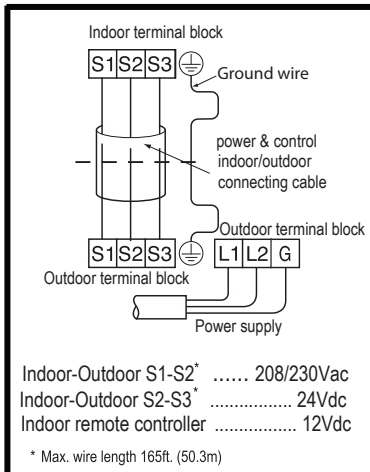
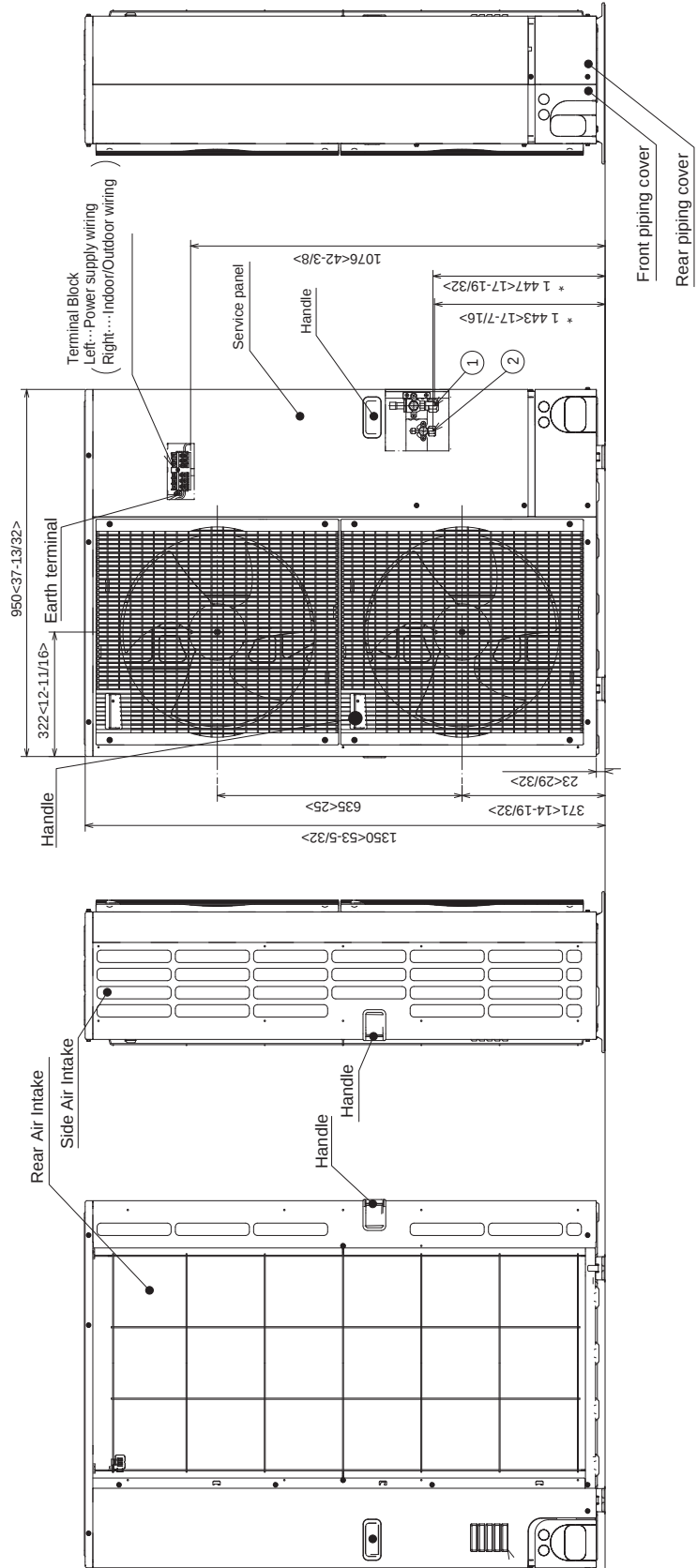
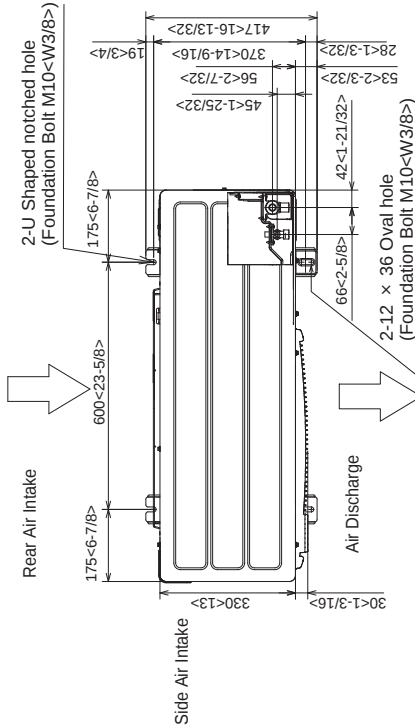


MODELS	①	②	A	B	C	D	E	F
PLA-A12/18EA7	REFRIGERANT P604-35 FLARED CONNECTION 1/2"	REFRIGERANT P604-27 FLARED CONNECTION 1/2"	9-12 (24)	10-3/16 (26)	3/8"	3/16S)	10-7/16-26S) OR MORE	137 (3145200) OR LESS
PLA-A24-42EA7	REFRIGERANT P604-62 FLARED CONNECTION 3/8"	REFRIGERANT P604-58 FLARED CONNECTION 5/8"	11-1/16 (28)	11-3/4 (28)	3-1/8 (79.5)	13/32S) OR MORE	177-3/4-4000) OR LESS	

PLA-A-EA7-12/18/24/30/36/42

DIMENSIONS: PUZ-HA30NHA5

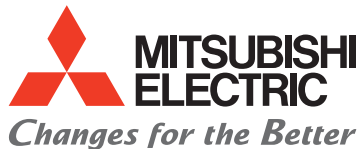
Unit: mm (in.)



Example of Notes

- ①...Refrigerant GAS pipe connection (FLARE)/15.88<5/8>
- ②...Refrigerant LIQUID pipe connection (FLARE)/9.52<3/8>
- *1Indication of STOP VALVE connection location.

Should this document be altered or changed without MESCA's permission, it becomes null and void. MESCA assumes no responsibility for any consequences in such cases.



for a greener tomorrow

